

BASF Coatings AG

Integrated painting process for automobile and commercial vehicle bodies or cabins and their replacement parts and add-on parts comprising plastic parts

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**Abstract**

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The invention relates to a new process for painting integrated automobile and commercial vehicle bodies or cabins which comprise plastic parts, wherein the metal parts of the body or cabin are provided with an electrocoat and are integrated with the plastic parts of the body or cabin. These plastic parts either already have an electrically conductive aqueous primer coat or an uncured electrically conductive aqueous primer film or are unpainted. If none of these coats or films is present on the plastic parts, the surface of the integrated body or cabin is provided uniformly with an electrically conductive aqueous primer coat. Thereafter, after the electrically conductive aqueous primer coating has cured, or wet-on-wet, it is possible to apply a pale aqueous primer film and cure it alone or jointly with the electrically conductive aqueous primer film. If one film or coat of this kind is already present on the plastic parts, the surface of the integrated body or cabin is provided uniformly with

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a pale aqueous primer coat. Atop these primer systems,  
an aqueous basecoat film is applied and partially  
dried. Atop that there is applied, wet-on-wet, a  
clearcoat film, after which aqueous basecoat film and  
5 clearcoat film are jointly baked to give the novel  
multicoat color and/or effect paint system.